

Integrated Marine Communications - A Tool to Improve Vessel Management

PRINCIPAL INVESTIGATORS:

Jim Tindall
Vice President Sales & Marketing
MariTEL
16 East 41st Street
New York, NY 10017
Phone (212) 532-9300
Fax (212) 532-2677
jtindall@maritelusa.com
maritelusa.com

Ronald Gaynor
System Engineer
Harris Corporation
Government Systems Division
Post Office Box 37 MS 3A-9709
Melbourne, FL 32907-0037
Phone (321) 727-5413
Fax (321) 727-6688
rgaynor@harris.com
harris.com

ABSTRACT:

The absence of reliable, economical, communications to the maritime community has resulted in inefficient management of both the nations transportation fleet and its waterways.

The conception, design, construction, and implementation of an integrated voice, data and vessel tracking communications network will provide significant benefits to all segments of the MTS – vessel owners, operators, and public agencies.

MariTEL conceived the MariTEL Network in the 1990's. The design was completed in 2001. Construction began in 2000, with Operational Testing and Evaluation completed in the spring of 2001. Full build-out of the Network in the continental 48 states will be completed by the end of 2002.

The Network will support automatic voice and data calling from ship-to-shore, shore-to-ship, and ship-to-shore-to ship. A Network scrambling protocol will make both sides of calls private. Vessels will be tracked using Digital Selective Calling (DSC) Position Reports (a call type supported by DSC).